from OGIS definitions:
 Curve is one−dimensional geometric object
 LineString is a Curve with linear interpretation between points
      (each consecutive pair of points = LineSegment)
 Line is a LineString with exactly 2 points
 LinearRing is a LineString that is both closed and simple
 Polygon may be composed of 1..* LinearRings

CoordinateGeometry

geometryCode:OGISGeometryTypeCode

Example:
 Boundary = simple Polygon
 Boundary (Polygon) may be represented as a LinearRing

Point attributes assigned in Teamwork
models:

latDecimal:Latitude
lonDecimal:Longitude
altDecimal:Elevation

Point

Curve

Surface

Solid

GeometryCollection

is OGIS definition of Collection
similar to ODMG definition ?

2..* Points   2..* Points

currently GridReferenceSystem
is defined as a type of MultiPoint

0..1   **LineString**

Polygon attributes assigned in Teamwork
models :

total_area:Quantity
centroid_lat:Latitude
centroid_lon:Longitude

LineString
2..*

LineStrings

Polygon

MultiSurface

MultiCurve

MultiPoint

0..1 Polygon 1..*   Polygons

0..1 MultiPoint

line attributes assigned in Teamwork
models:

total_length:Quantity

Line

LinearRing

MultiPolygon

MultiLineString

1..*

LinearRings

0..1 MultiPolygon

0..1 MultiLineString

Diagram: /NWS_Corporate/IHFS/Primary:1/Analysis/DataAccessServices−Data/OGISCoordinateGeometryCad.cad:1
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